

Name: _____

Date: _____

Subatomic Particles for Atoms, Ions and Isotopes

Use your periodic table to complete this worksheet.

	Atom/Ion/Isotope name	Standard Atomic Notation	Atomic Mass	Atomic Number	Number of Protons	Number of Electrons	Charge	Number of Neutrons
1	Magnesium (Ion)							12
2				9			-1	
3		$^{31}_{15}\text{P}^{3-}$						
4	Calcium (isotope)		41					
5					16			15
6		^9_4Be						
7	Oxygen (Ion)						-2	
8				19		18		
9				18			0	
10			10		5			
11					1			2
12		$^{27}_{13}\text{Al}^{3+}$						
13	Silicon (isotope)		29					
14	Carbon (atom)							
15			63		29			

***NOTE:** when you are finished, you should have 3 atoms, 6 ions and 6 isotopes.